

Chapter 3.3d

LIST OF 2008 CATEGORY 4C IMPAIRED WATERS



2008 List of Naturally Impaired Waters (Category 4C)* No TMDL Needed

Potomac and Shenandoah River Basins

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
A31R-01	Pine Hill Creek Watershed				
Aquatic Life	pH	4C			11.47
	Oxygen, Dissolved	4C			11.47
B06R-02-TEMP	Hogue Creek				
Aquatic Life	Temperature, water	4C			16.55
B11R-01-BEN	Falls Hollow				
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4C			3.63
B13R-03-BEN	Tunnel Hollow X-trib				
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4C			0.20
B18R-04-TEMP	Beaver Creek				
Aquatic Life	Temperature, water	4C			5.76
B20R-02-BEN	Skidmore Fork				
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4C			5.40
B31R-03-BEN	Toms Branch				
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4C			2.71
B39L-01-DO	Lake Arrowhead				
Aquatic Life	Oxygen, Dissolved	4C		36.07	
B39R-02-TEMP	Hawksbill Creek				
Aquatic Life	Temperature, water	4C			12.20

* Multiple listings are due to the same impairments for different uses and/or different initial listing dates for adjacent waters.



2008 List of Naturally Impaired Waters (Category 4C)* No TMDL Needed

James River Basin

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
G02R-01-PH	Fourmile Creek				
Aquatic Life	pH	4C			29.84
G03R-01	Gunns Run Watershed				
Aquatic Life	Oxygen, Dissolved	4C			13.94
	pH	4C			13.94
G06R-01-DO	Chickahominy River				
Aquatic Life	Oxygen, Dissolved	4C			7.50
G06R-03-PH	White Oak Swamp				
Aquatic Life	pH	4C			6.52
G06R-05-PH	Canal Swamp				
Aquatic Life	pH	4C			2.93
G06R-08-PH	White Oak Swamp				
Aquatic Life	pH	4C			3.47
G06R-09-PH	White Oak Swamp Creek				
Aquatic Life	pH	4C			3.91
G06R-10-PH	Deep Run				
Aquatic Life	pH	4C			2.33
G08R-01	Morris Creek				
Aquatic Life	Oxygen, Dissolved	4C			7.73
	pH	4C			7.73
G12R-01-PH	Eley Swamp, tributary to Lake Cahoon				
Aquatic Life	pH	4C			4.68
H27L-01-DO	Chris Green Lake				
Aquatic Life	Oxygen, Dissolved	4C		57.07	
H39R-02-DO	Tuckahoe Creek Watershed				
Aquatic Life	Oxygen, Dissolved	4C			29.10
I05R-01-TEMP	Cedar Creek				
Aquatic Life	Temperature, water	4C			3.36
I14R-03-BEN	Panther Run				
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4C			2.11
I17R-01-BEN	South Fork Pads Creek				
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4C			5.36
I22R-03-BEN	Crawford Branch				
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4C			1.76
I23R-01-BEN	Cove Branch				
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4C			5.74



2008 List of Naturally Impaired Waters (Category 4C)* No TMDL Needed

James River Basin

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
I35R-01-TEMP	Mill Creek				
Aquatic Life	Temperature, water	4C			8.59
J07R-01	Skinquarter Creek				
Aquatic Life	Oxygen, Dissolved	4C			5.08
	pH	4C			5.08
J11R-02-DO	Deep Creek				
Aquatic Life	Oxygen, Dissolved	4C			5.59
J12R-01	Winticomack Creek				
Aquatic Life	Oxygen, Dissolved	4C			8.71
	pH	4C			10.99
J12R-02	Winterpock Creek and tributaries				
Aquatic Life	Oxygen, Dissolved	4C			18.09
	pH	4C			18.09
J12R-04	UT to Winticomack Creek				
Aquatic Life	Oxygen, Dissolved	4C			2.66
	pH	4C			2.66
J12R-05-PH	UT to Winticomack Creek				
Aquatic Life	pH	4C			0.81
J12R-07-PH	UT to Winticomack Creek				
Aquatic Life	pH	4C			3.77

* Multiple listings are due to the same impairments for different uses and/or different initial listing dates for adjacent waters.



2008 List of Naturally Impaired Waters (Category 4C)* No TMDL Needed

Rappahannock River Basin

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
E22R-01-PH Aquatic Life	Occupacia Creek pH	4C			2.15
E22R-03-PH Aquatic Life	Occupacia Creek and Tribs pH	4C			37.76
E23E-04-PH Aquatic Life	Piscataway Creek pH	4C	0.588		
E23R-01-PH Aquatic Life	Cat Point Creek Watershed pH	4C			65.74
E23R-02 Aquatic Life	Mount Landing Creek Oxygen, Dissolved	4C			1.17
	pH	4C			1.17
E23R-03-PH Aquatic Life	Piscataway Creek Watershed pH	4C			30.06
E23R-05-PH Aquatic Life	UT to Mount Landing Creek, Bull Neck Creek pH	4C			6.82
E23R-07-PH Aquatic Life	Mount Landing Creek pH	4C			4.90

* Multiple listings are due to the same impairments for different uses and/or different initial listing dates for adjacent waters.



2008 List of Naturally Impaired Waters (Category 4C)* No TMDL Needed

Roanoke and Yadkin River Basins

Cause Group Code	Water Name	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Impaired Use	Cause				
L03R-01-TEMP	Roanoke River				
Aquatic Life	Temperature, water	4C			15.31
L05R-01-TEMP	Tinker Creek				
Aquatic Life	Temperature, water	4C			11.87
L05R-03-TEMP	Glade Creek				
Aquatic Life	Temperature, water	4C			6.85

* Multiple listings are due to the same impairments for different uses and/or different initial listing dates for adjacent waters.



2008 List of Naturally Impaired Waters (Category 4C)* No TMDL Needed

Chowan River and Dismal Swamp Basins

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
K11R-02-DO	Fontaine Creek and all its tributaries in VAP-K12R.				
Aquatic Life	Oxygen, Dissolved	4C			55.24
K19R-02	Harris Creek				
Aquatic Life	Oxygen, Dissolved	4C			3.23
	pH	4C			3.23
K20R-01-DO	Butterwood Creek, White Oak Swamp, Rocky Run & Reedy Creeks				
Aquatic Life	Oxygen, Dissolved	4C			10.73
K20R-01-PH	Butterwood Creek, White Oak Swamp, Rocky Run & Reedy Creeks				
Aquatic Life	pH	4C			2.50
K21R-02-DO	Southwest Swamp				
Aquatic Life	Oxygen, Dissolved	4C			12.13
K21R-02-PH	Southwest Swamp				
Aquatic Life	pH	4C			12.13
K23R-01-DO	Rowanty Creek and tribs; Gosee Swamp and tribs				
Aquatic Life	Oxygen, Dissolved	4C			99.43
K23R-01-PH	Rowanty Creek and tribs; Gosee Swamp and tribs				
Aquatic Life	pH	4C			99.43
K23R-03-DO	Nebletts Mill Run and all its tributaries				
Aquatic Life	Oxygen, Dissolved	4C			42.46
K23R-04-DO	Jones Hole Swamp and all its tributaries				
Aquatic Life	Oxygen, Dissolved	4C			46.19
K23R-04-PH	Jones Hole Swamp and all its tributaries				
Aquatic Life	pH	4C			46.19
K23R-07-DO	Black Branch Swamp				
Aquatic Life	Oxygen, Dissolved	4C			6.26
K23R-07-PH	Black Branch Swamp				
Aquatic Life	pH	4C			6.26
K23R-08-DO	Cabin Point Swamp				
Aquatic Life	Oxygen, Dissolved	4C			6.28
K23R-08-PH	Cabin Point Swamp				
Aquatic Life	pH	4C			6.28
K24R-01-DO	Hunting Quarter Swamp				
Aquatic Life	Oxygen, Dissolved	4C			16.20
K24R-01-PH	Hunting Quarter Swamp				
Aquatic Life	pH	4C			16.20
K24R-02-DO	Hunting Quarter Swamp Tributaries				
Aquatic Life	Oxygen, Dissolved	4C			34.95



2008 List of Naturally Impaired Waters (Category 4C)* No TMDL Needed

Chowan River and Dismal Swamp Basins

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
K24R-02-PH Aquatic Life	Hunting Quarter Swamp Tributaries pH	4C			34.95
K25R-01-DO Aquatic Life	Raccoon Creek, Spring Creek Oxygen, Dissolved	4C			35.61
K25R-03-DO Aquatic Life	UT to Spring Creek Oxygen, Dissolved	4C			4.09
K25R-04-DO Aquatic Life	Little Swamp Oxygen, Dissolved	4C			8.41
K25R-05-DO Aquatic Life	UT to Raccoon Creek Oxygen, Dissolved	4C			4.30
K26R-01-DO Aquatic Life	Otterdam Swamp, Three Creek Oxygen, Dissolved	4C			12.85
K29R-01-DO Aquatic Life	Assamoosick, Seacorrie, German, Pigeon Swamps Oxygen, Dissolved	4C			45.19
K31R-01-DO Aquatic Life	Blackwater Swamp, Warwick Swamp Oxygen, Dissolved	4C			44.26
K31R-02-DO Aquatic Life	Second Swamp Oxygen, Dissolved	4C			15.24
K32R-01-DO Aquatic Life	Blackwater River Oxygen, Dissolved	4C			23.56
K32R-03-DO Aquatic Life	Otterdam Swamp Oxygen, Dissolved	4C			11.01
K32R-05-DO Aquatic Life	Coppahaunk Swamp Oxygen, Dissolved	4C			13.40
K32R-06-DO Aquatic Life	Cypress Swamp Oxygen, Dissolved	4C			16.35
K32R-07-DO Aquatic Life	Cypress Swamp Tributaries Oxygen, Dissolved	4C			66.29
K32R-10-DO Aquatic Life	Spring Branch Oxygen, Dissolved	4C			3.93
K32R-11-DO Aquatic Life	XDR - UT to Otterdam Swamp Oxygen, Dissolved	4C			2.46
K32R-15-DO Aquatic Life	Spring Branch, UT (XAW) Oxygen, Dissolved	4C			1.09
K37R-01-DO Aquatic Life	Buckhorn Creek Oxygen, Dissolved	4C			1.55



2008 List of Naturally Impaired Waters (Category 4C)* No TMDL Needed

Chowan River and Dismal Swamp Basins

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
K37R-01-PH Aquatic Life	Buckhorn Creek pH	4C			1.55
K38R-01-DO Aquatic Life	Somerton Creek Oxygen, Dissolved	4C			9.09
K38R-01-PH Aquatic Life	Somerton Creek pH	4C			9.09
K39R-01-DO Aquatic Life	Dismal Swamp Canal & Feeder Ditch to Lake Drummond Oxygen, Dissolved	4C			14.07
K39R-01-PH Aquatic Life	Dismal Swamp Canal & Feeder Ditch to Lake Drummond pH	4C			14.07

* Multiple listings are due to the same impairments for different uses and/or different initial listing dates for adjacent waters.



2008 List of Naturally Impaired Waters (Category 4C)* No TMDL Needed

Tennessee and Big Sandy River Basins

Cause Group Code	Water Name	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
Impaired Use	Cause				
O11L-02-PH	Laurel Bed Lake				
Aquatic Life	pH	4C		312.37	
P18L-01-DO	Big Cherry Reservoir				
Aquatic Life	Oxygen, Dissolved	4C		102.94	
P18L-01-PH	Big Cherry Reservoir				
Aquatic Life	pH	4C		102.94	
P19R-02-BEN	Poor Valley Creek				
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4C			2.69
P20L-01-DO	Lake Keokee				
Aquatic Life	Oxygen, Dissolved	4C		97.47	
P20L-01-PH	Lake Keokee				
Aquatic Life	pH	4C		97.47	

* Multiple listings are due to the same impairments for different uses and/or different initial listing dates for adjacent waters.



2008 List of Naturally Impaired Waters (Category 4C)* No TMDL Needed

York River Basin

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
F12R-02-PH Aquatic Life	Mechumps Creek pH	4C			5.70
F12R-04-PH Aquatic Life	Slayden Creek and tributaries pH	4C			4.53
F12R-06-PH Aquatic Life	Campbell Creek pH	4C			3.80
F13R-01-PH Aquatic Life	Matadequin Creek pH	4C			25.37
F13R-07-PH Aquatic Life	Parsleys Creek pH	4C			6.21
F13R-08-PH Aquatic Life	Sandy Valley Creek pH	4C			4.03
F21R-01-PH Aquatic Life	Herring Creek pH	4C			6.99
F21R-02-PH Aquatic Life	Mattaponi River pH	4C			4.86
F21R-03-PH Aquatic Life	Reedy Creek pH	4C			12.43
F23E-01-PH Aquatic Life	Mattaponi River pH	4C	1.865		

* Multiple listings are due to the same impairments for different uses and/or different initial listing dates for adjacent waters.



2008 List of Naturally Impaired Waters (Category 4C)* No TMDL Needed

New River Basin

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)
N10L-01-DO Aquatic Life	Rural Retreat Lake Oxygen, Dissolved	4C		85.46	
N10L-01-PH Aquatic Life	Rural Retreat Lake pH	4C		85.46	
N16L-01-DO Aquatic Life	Claytor Lake - New River Oxygen, Dissolved	4C		2,045.60	
N16L-02-DO Aquatic Life	Claytor Lake - Peak Creek Oxygen, Dissolved	4C		216.86	

* Multiple listings are due to the same impairments for different uses and/or different initial listing dates for adjacent waters.